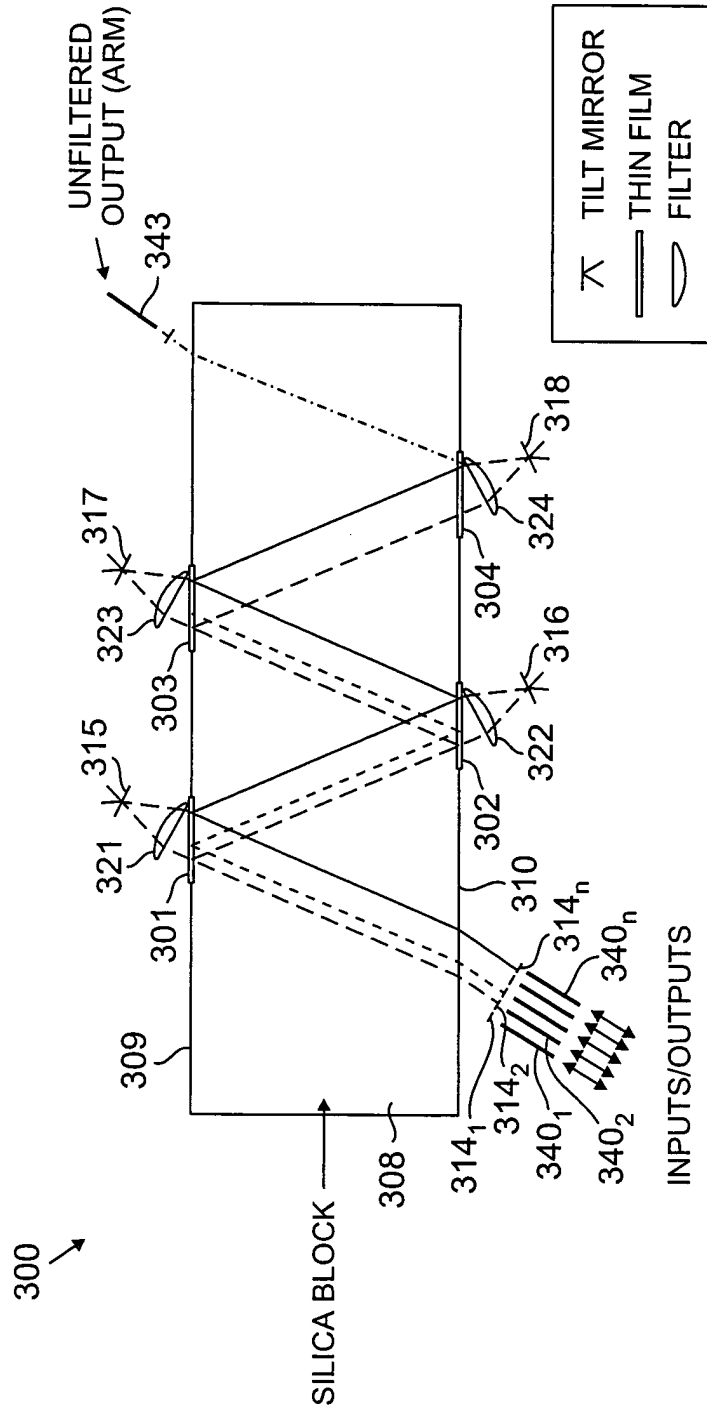


FLEXIBLE OPTICAL CROSS CONNECT (OXC)

FIG. 1
(PRIOR ART)



BIDIRECTIONAL INPUTS/OUTPUTS WITH
INDEPENDENT WAVELENGTH DISTRIBUTION

FIG. 2

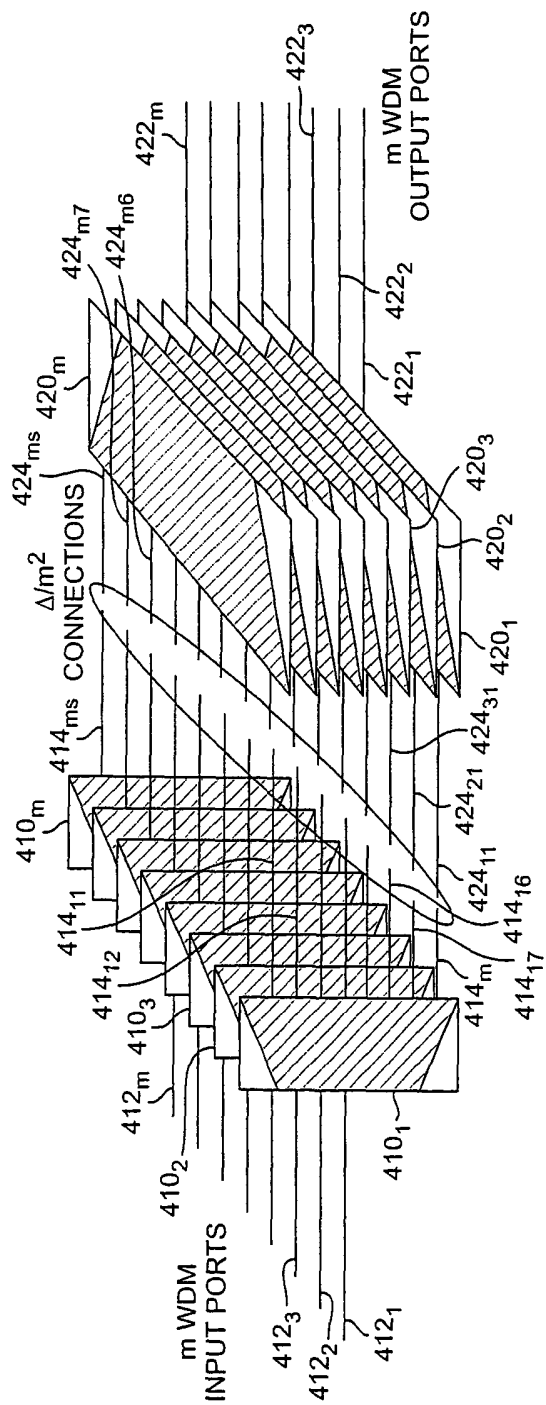
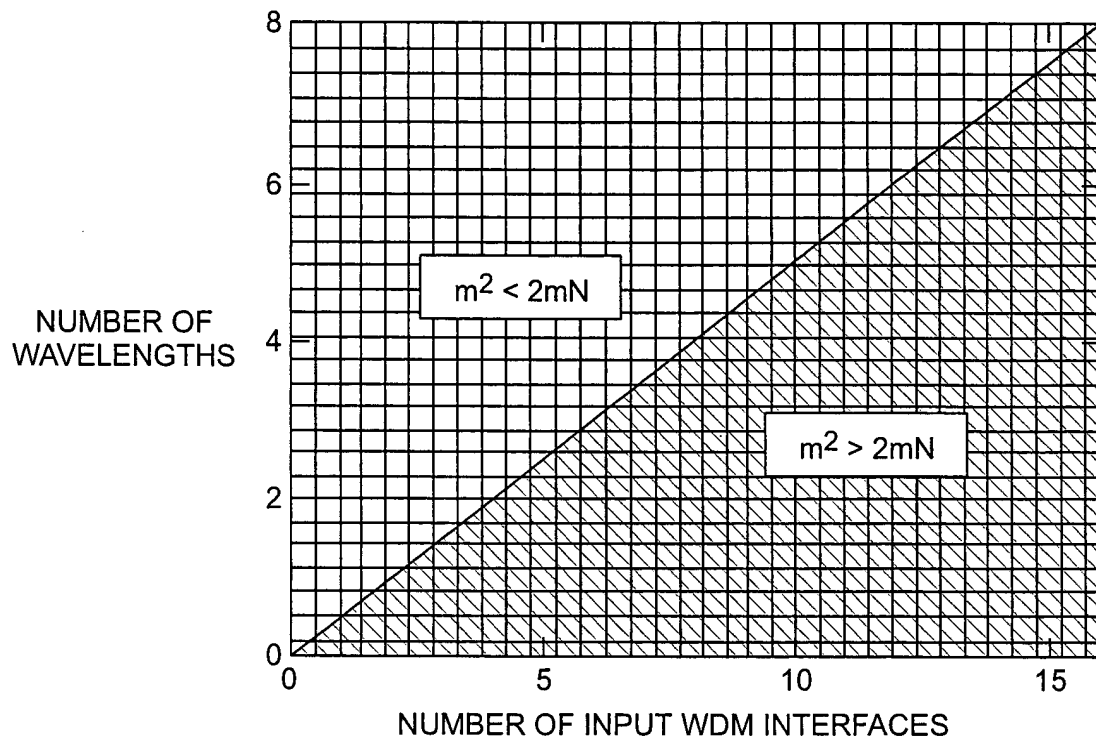
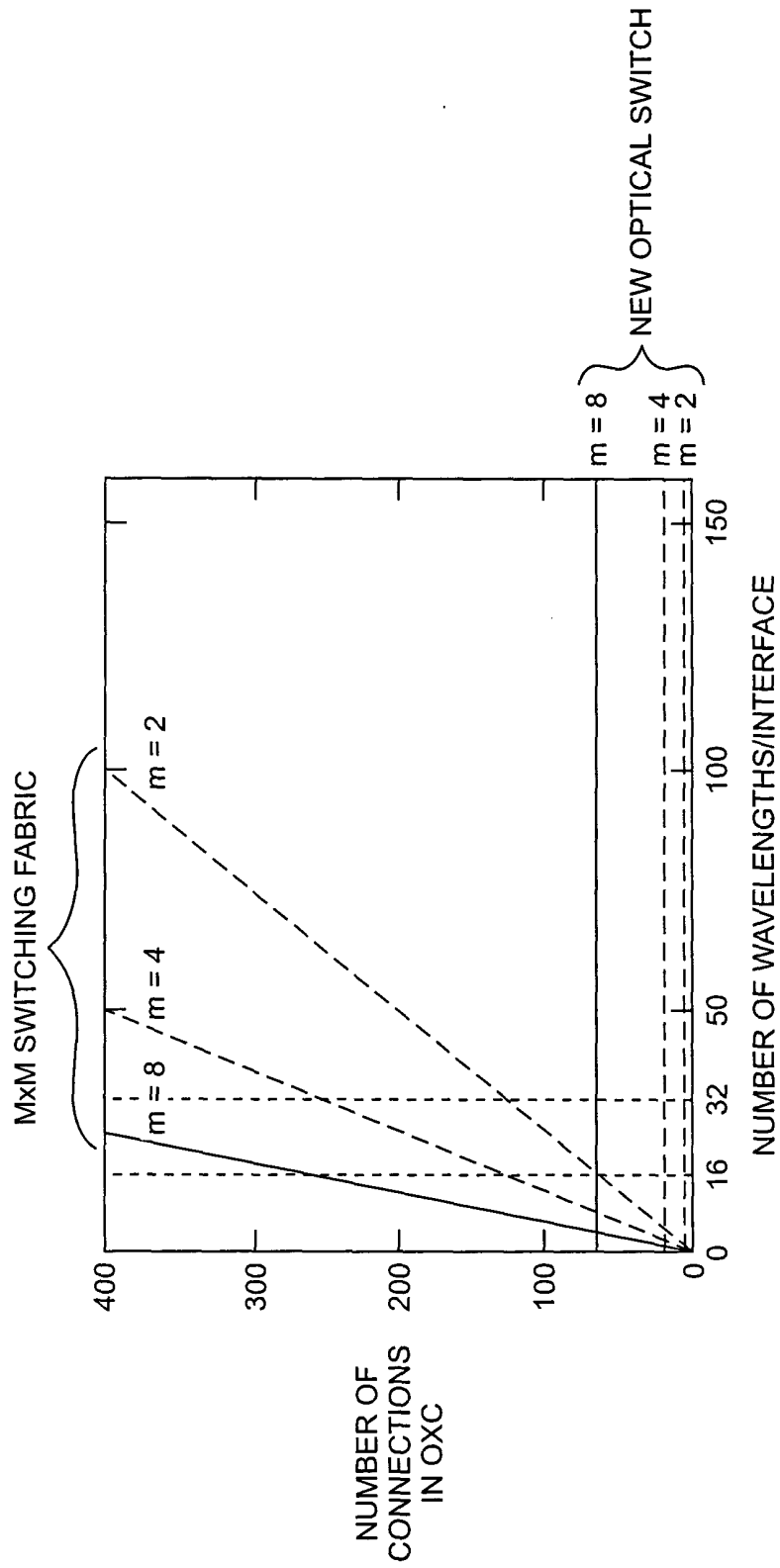


FIG. 3



OPTIMUM OXC TECHNOLOGY FOR DIFFERENT NUMBER
OF WAVELENGTHS AND INTERFACES AS DEFINED
BY THE MINIMUM NUMBER OF INTERCONNECTIONS REQUIRED

FIG. 4



THE SCALING OF THE NUMBER OF INTERCONNECTIONS REQUIRED TO BUILD AN OXC USING CONVENTION MxM SWITCH TECHNOLOGY AND THE NEW OPTICAL SWITCH

FIG. 5

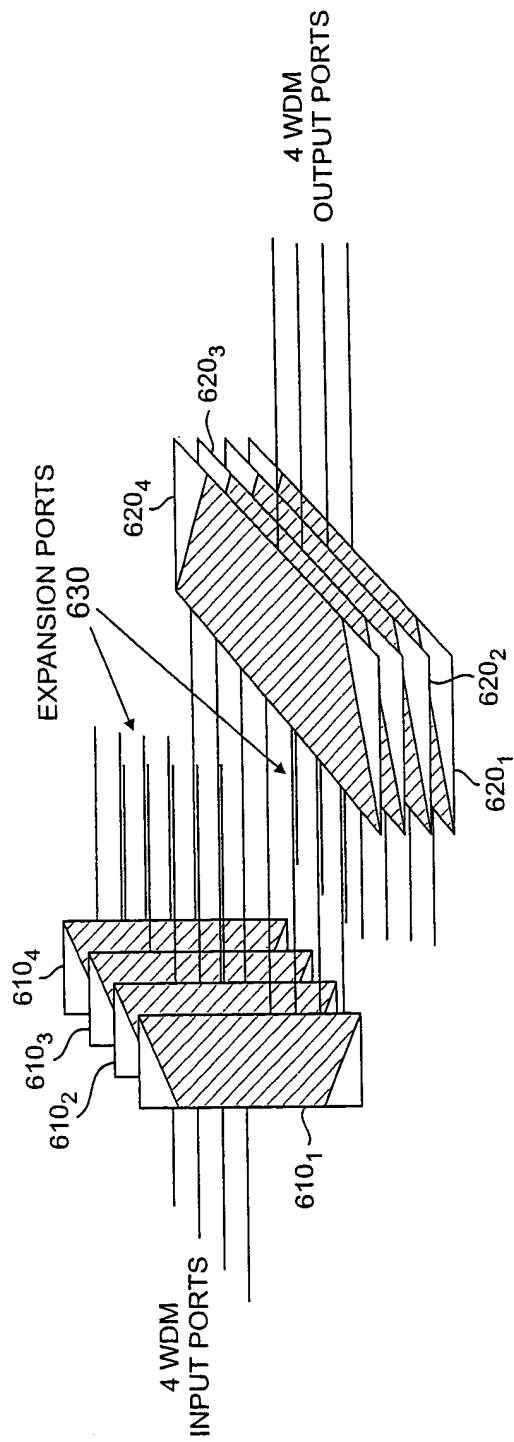


FIG. 6